INTERNATIONAL SEARCH REPORT

national Application No PCT/JP2004/017830

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02M7/42	
According to International Patent Classification (IPC) or to both national classification	ation and IPC
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification in the system of the system followed by classification in the system followed b	on symbols)
Documentation searched other than minimum documentation to the extent that s	uch documents are included. In the fields searched
Electronic data base consulted during the international search (name of data base	se and, where practical, search terms used)
EPO-Internal, PAJ	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category Citation of document, with indication, where appropriate, of the relationship control of the relationship	evant passages Relevant to claim No.
Y SUL S-K ET AL: "AN INTEGRAL BATTE CHARGER FOR FOUR-WHEEL DRIVE ELEC VEHICLE" 1 September 1995 (1995-09-01), I TRANSACTIONS ON INDUSTRY APPLICAT IEEE INC. NEW YORK, US, PAGE(S) 1 , XP000535588 ISSN: 0093-9994 the whole document	ETRIC EEEE TIONS,
Y EP 1 201 485 A (FORD MOTOR COMPAN 2 May 2002 (2002-05-02) abstract paragraph '0011! paragraphs '0024!, '0025!	1-14 -/
Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search 17 March 2005	Date of mailing of the international search report 30/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Marannino, E.

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PCT/JP2004/017830

		PC1/0F2004/01/830		
C.(Continua Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Caradora	Chancel of decement, which indicates, while appropriate, of the followin passages			
A	US 5 142 468 A (NEREM ET AL) 25 August 1992 (1992-08-25) abstract figures 2,4	1-14		
Α	US 2002/191423 A1 (ODACHI YASUHARU ET AL) 19 December 2002 (2002-12-19) abstract	1-14		
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INTERNATIONAL SEARCH REPORT

information on patent family members

national Application No
PCT/JP2004/017830

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1201485	. A	. 02-05-2002	US 6724100 B1 CA 2350177 A1 EP 1201485 A1 JP 2002165306 A		08-03-2002
US 5142468	Α	25-08-1992	NONE		
US 2002191423	A1	19-12-2002	JP DE	2002369545 A 10226101 A1	20-12-2002 06-02-2003